

Biological Safety Cabinet

HR40-IIA2



Professional Partial Air Purification Equipment

- Real-time display of key parameters
- Quality 304 stainless steel work
- Easy to clean and sterilize

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Product Advantages



- Digital LCD screen
- Real-time display of key parameters: down-flow velocity, inflow velocity, airflow volume, static pressure, negative pressure, accumulative running time of fan, accumulative running time of UV lamp, and remaining life of filter
- Audible and visual alarms for abnormal parameters
- Clock setting function
- UV lamp sterilization timer function
- Quality 304 stainless steel operation platform without screws, no accumulation of contaminant
- Dismountable air in-flow plate, easy to clean and sterilize
- The internal walls on three sides of operation area is constructed by a single plate, and the 12mm arc angle corner leaves no hidden cleaning areas
- The volume of the liquid tank is over 4L, equipped with an outlet valve for convenient cleaning and maintenance
- Patented air flow blocking is adopted at the upper edge and both edges of the front window to eliminate the exposure of microorganisms

Ergonomic

- UV Lamp One-touch Pre-set
The UV Lamp can store the user's settings and habits, and can be preset with a certain startup delay just by pressing down one key, saving valuable time for the user
- Universal Casters with Built-in Threaded Support Legs
The underframe is designed with universal casters for moving the cabinet conveniently, and the built-in threaded support legs can prevent the propagation of bacteria

Professional

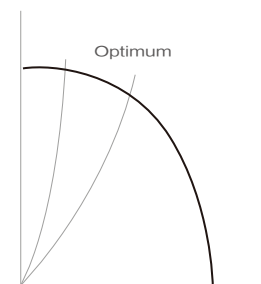
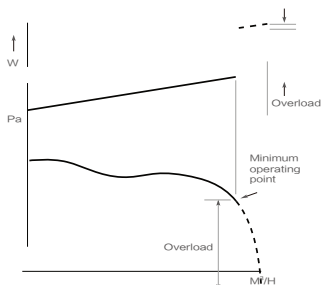
- Digital display of operating parameters
Real-time digital display of down flow, inflow, exhaust volume, filter remaining life, UV lamp remaining life, negative pressure and positive pressure

Safe

- Abnormal operation condition alarm
Audible and visual alarms in the form of voice or text will be presented when the air level exceeds 20%, and door height (high or low) or work area temperature exceeds limits
- Filter end-of-life reminder
Pressure transducer monitors the resistance variation of the filter to determine the remaining life of the filter, and will warn the user when the remaining life is below 10%
- UV lamp end-of-life reminder
The microcomputer will monitor the service time of the UV lamp, and will warn the user to replace the UV lamp when its remaining life is less than 10%
- Interlocking feature to ensure high safety and reliability
 - Patented technology includes: UV lamp, UV lamp interlocking control, front window, fan and interior light are interlocked to prevent any leakage of UV rays or microorganisms.
 - Like the Type B2 safety cabinet with internal & external fans interlocked, the external fan will be activated immediately when the safety cabinet is powered on, and the internal fan will be deactivated immediately when the safety cabinet is powered off. When the air inflow is lower than the set limit, the internal fan will be deactivated, and the external fan will continue working, accompanied with audible and visual alarms. When the internal fan is deactivated while in operation, the external fan will continue operating, accompanied with audible and visual alarms

Key Components

- Ultra-Low Particulate Air (ULPA) Filter (U15)
 - The ULPA filter is made from moisture-proof and fireproof glass fibers and has an efficiency up to 99.9995% filtering 0.12 μ m solid particles, fully complying with cleanliness requirements of the USA FED STD 209E Grade 1 (or ISO 14644-1 Grade 3)
 - ULPA filter can supply vertical air flows to the workbench, preventing the samples from being contaminated
 - The filter can be scanned point by point to ensure high performance, reliability and safety
- Maintenance-free fan system
 - Forward centrifugal fan with air inflows at both sides of the motor, reducing noise to a very low level. It is self-cooling, low energy consumption, and high reliability
 - Optimal balance between air supply and energy consumption
 - Stable air flow for safety cabinet upon precise control of fan operating voltage



Product Configuration

